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TATGGGAGCT CTGITTTCAC TCTATTTCAC TCTATTAAAIT CATGCAACTG CACTCTTCTG GTCGTGTTTT ATCCACCACT GCTGTTTTGC ACGCTCACA GCTGCTTCCATC CCTTTGGATC CAGCAGAGTG ACGGTTCTT TCCAATTGG GCTTAAAGGCT TGCCATTGTT CCTGCACAGG TAGGTTCTT ACGGTTTCTT TCCATGATCCA AGGTTTCTT GGAAGCAGC CACCACCATT TTGGAAGCAG AGATTCCATT GTAACAATTT GGTGACCACG AAGGGACCTG AATCCGCAAC CATGAAGGGA TCTCCAAAGC AATGGGAAAC	AGAATTGGGA CCAATGTGAC ACTCAGACGC TAAGAAAGAA ACGATTTATA TTCTTCTGCA N W D Q C D T Q T L R K R F I F F C S CTGGCTTCCT GAGGGAAGTA TAAATTATAA CATCATCTTA CAGCTAGACC TCTTCTGTAG W L P E G S I N Y N I L Q L D L F C R TTCTTTTCAT TAAGAGACAA CTCACAATTA TGTAAAAAGT GTGGTTTATG CCCTACAGGA F F S L R D N S Q L C K K C G L C P T G CGACTCCTTC CTCAACTAAT AAGGACCCC CTTTAACCA AAGGACCCA AAGGAGATAG T P S S T N K D P P I T O T N C F T T	ACAAAGGGGT AAACAATGAA CCAAAGAGTG CCAATTATGC CCCCTCCAAG CAGTGAGAGG AGGAGAATTC GGCCCAGCCA GAGTGCCTGT K G V N N E P K S A N I P R L C P L Q A V R G G E F G P A R V P V ACCITITICT CICTCAGACT TAAAGCAAAT TAAAATAGAC CTAGGTAAAT TCTCAGATAA CCCTGACGGC TATATTGATG TTTTACAAGG GTTAGGACAA P F S L S D L K Q I K I D L G K F S D N P D G Y I D V L Q G L G Q	TCCTTIGATC TGACATGGAG AGATATAATG TTACTACTAA ATCAGACACT AACCCCAAAT GAGAGAAGTG CCGCTGTAAC TGCAGCCCGA GAGTTTGGCG S F D L T W R D I M L L L N Q T L T P N E R S A A V T A A R E F G D ATCTTTGGTA TCTCAGTCAG GCCAACAATA GGATGACAAC AGAGGAAAGA ACAACTCCA CAGGCCAGCA GGCAGTTCCC AGTGTAGAC CTCATTGGGA L W Y L S Q A N N R M T T E E R T T P T G Q Q A V P S V D P H W D CACAGAATCA GAACATGGGCA CAAACATTTG CTAACTTGCG TGCTAGAAGG ACTGAGGAAA ACTAGGAAGA AGCCTATGAA TTACTCAATG	ATCTCCACTA TAACACAGGG AAAGGAAGAA AATCTTACTG CTTTTCTGGA CAGACTAAGG GAGGCATTGA GGAAGCATAC CTCCCTGTCA CCTGACTCTA M S T I T Q G K E E N L T A F L D R L R E A L R K H T S L S P D S I TTGAAGGCCA ACTAATCTTA AAGGATAAGT TTATCACTCA GTCAGCTGCA GACATTAGAA AAAAACTTCA AAAGTCCGTC TTAGGCTCGG AACAAAACTT E G Q L I L K D K F I T Q S A A D I R K K L Q K S V L G S E Q N L	୫ ୍ଟ ଆର
CATGCAACTG CACTCTTCTG GACTTCCATC CCTTTGGATC CCTGCACAGC TAAGTGCCTG AACACTCACT GCATGGTCCA CACCACCATT TTGGAAGCA CATGAAGGGA TCTCCAAAGC	ACGATTTATA R F I C L D L C G L C C G L C ACGCTTATA T GTGCTTTATA T GTGCTTTATA T G L C A AACGGTCCAA	C GGCCCAGCCA G P A R S TTTTACAAGG	C TGCAGCCCGA A A R C AGTGTAGACC S V D P A AGCCTATGAA K P M N	C CTCCCTGTCA S L S TTAGGCTCGG L G S E	A AAAAAAAG K K K R C TTGCTTCCAG C F Q G F Q 3 AAGGCCACT K A H C
CATGCAACTG GACTTCCATC CCTGCACAGC AACACTCACT CACCACCATT CATGAAGGGA	TAAGAAAGAA R K K CATCATCTTA I I L TGTAAAAAGT C K K C CTTTAACCCA	AGGAGAATTC G E F TATATTGATG	CCGCTGTAAC A V T A GGCAGTTCCC A V P A CTAGGAAGA T R K K	A GGAAGCATA K K H T AAAGTCCGTC K S V	CTAATGGGATE K W D F CTAATAGGG N R A GAATCACTGG
TCTATTAAAIT ACCGGCTGCT TGCCATTGTT ATAGAGCTAT GGAAGCAGCC	ACTCAGACGC T O T L TAAATTATAA N Y N CTCACAATTA S O L AAGGACCCC	CAGTGAGAGG V R G CCCTGACGGC	GAGAGAAGTG E R S A CAGGCCAGCA G Q Q ACTGAGGAAA L R K	GAGGCATTGA E A L R AAAAACTTCA K L Q	AGAA T GGGAC AAATGGGATA E W D K W D K AATAGGAAGC CTAATAGGGC N R K P N R A TACGTCAAGG GAATCACTGG R Q G N/.H W
TCTATTTCAC ACCGTCACAG GCTAAAGGCT ATGGCTTCTA CCACCATGTT AAGGGACCTG	CCAATGTGAC Q C D GAGGGAAGTA E G S I TAAGAGACAA R D N CTCAACTAAT S T N	CCCCTCCAAG P L Q A TCTCAGATAA S D N	AACCCCAAT T P N ACAACTCCCA T T P T TGCTAGAAGG L E G	CTTTCTGGA CAGACTAAGG GAGGCATTGA GGAAGCATAC F L D R L R E A L R K H T GTCAGCTGCA GACATTAGAA AAAAACTTCA AAAGTCCGTC S A A D I R K K L Q K S V	AGGAGCAGGC E Q A AAGCTGGGCA S W/.A CCATGCCCT P C P L ACTGA
CTGTTTTCAC C SCTGTTTGC C TCCCAATTGG (TCCATGACCC [] ACAAGGCTTG GGTGACCACG	AGAATTGGGA CCAATGTGAC ACTCAGACGC N W D C C D T Q T L CTGGCTTCCT GAGGGAAGTA TAAATTATAA W L P E G S I N Y N TTCTTTTCAT TAAGAGACAA CTCACAATTA F F S L R D N S Q L CGACTCCTTC CTCAACTAAT AAGGACCCC T P S S T N K D P P	CCGATTATGC R L C CTAGGTAAT L G K F	ATCAGACACT Q T L AGAGGAAAGA E E R CTAACTTGCG L T C V	CTTTTCTGGA F L D GTCAGCTGCA S A A	AGAGATCAGG R D Q E GAAAAGGGAA K G K GCCCCCTTGT P P C/R CAGCAGCAGG
TATGGGAGCT CTGITTTICAC TCTATTTCAC TCTATTAAAIT ATCCACCACT GCTGATTTGCC ACCGTCACA ACCGCTTGCT CCATTGCCTC TCCCAATTGG GCTAAAGGCT TGCCATTGTT ACGGTTCTCT TCCATGACCC ATGGCTTCTA ATAGAGCTAT GTCAGAGAAC ACAAGGCTTG CCACCATGTT GGAAGCAGC GTAACAATTT GGTGACCACG AAGGGACCTG AATCCGCAAC	CGTATTCTGG AGAATTGGGA R I L E N W D GGAGAGAAAC CTGGCTTCCT R E T W L P TGTGCAAACT TTCTTTTCAT V Q T F F S L GTCCCCTCCC CGACTCCTTC V P S P T P S	CCAATATTCC N I P TAAAATAGAC K I D	TG TTACTACTAA L L L N TA GGATGACAAC R M T T CA CAAACATTTG H K H L	AATCTTACTG N L T A TTATCACTCA I T Q	TTTTTATAAT F Y N GGAGGCTCTG G G S G GAATAAGCC N K P CCAGATGATC
	GCCCCTAGAA P L E CCTCTTCAAG P L Q G AAGTGCCATA V P Y V P Y CTACCCCAGC Y P S	CCAAAGAGTG PKSA TAAAGCAAAT KQI	3 AGATATAATG D I M G GCCAACAATA A N N R 3 ATTGGTGCCA	AAAGGAAGAA K E E AAGGATAAGT K D K F	CAACCTCGGT TSV AGCGACTTT ADP TGTCCAAATA CCPN AGCCATTAA A I N
CAGCAACCCC CTTTGGGTCC CCTCCCATTG TITTATGGCTC AAGCTGAGCT TTTGTTCGCC TCCGCTGTGC TCCTGATCCA GCACAGGCGC AATCGAGCTG AACACTAGTC ACTGGGTTCC CCTTGGAATC CGTGAGACCA AGAACCCCAG TCTTGGGAGC TCTGGGAGCA AGGACCCCAG	GTTCCCCCG AGGCAAAAAT GCCCCTAGAA V P E A K M P L E GTACCGCCTG GCCACAATAT CCTCTTCAAG T A W P Q Y P L Q G AAAGGAGGC AAATGGAGTG AAGTGCCATA K E G K W S E V P Y AGCCCTCAGA GTCCACCCC CTACCCCAGC S P Q S P P S	r aaacaatgaa ccaaaga N N E P K S CTCTCAGACT TAAAGCA L S D L K Q	TCCTTTGATC TGACATGGAG AGATATAAIT S F D L T W R D I M ATCTTTGGTA TCTCAGTCAG GCCAACAAIT L W Y L S Q A N N CACAGAATCA GAACATGGAG ATTGGTGCCG T E S E H G D W C H	ATCTCCACTA TAACACAGGG AAAGGAAGAA AATCTTACTG M S T I T Q G K E E N L T A TTGAAGGCCA ACTAATCTTA AAGGATAAGT TTATCACTCA E G Q L I L K D K F I T Q	AGAAACCTA TTGAACTTGG CAACCTCGGT TTTTTATAAT AGAGATCAGG AGGAG E T L L N L A T S V F Y N R D Q E E TTAGTCATGG CCCTCAGGCA AGCGGACTTT GGAGGCTCTG GAAAAGGGAA AAGCT L V M A L R Q A D F G G S G K G K S W AAGGACACTT TAAAAAAAGAT TGTCCAAATA GAAATAAGCC GCCCCCTTGT CCATG G H F K K D C P N R N K P P C/R P C ATCAAGATAC TCTGAGTCAG AAGCCATTAA CCAGATGATC CAGCAGCAGG ACTGA S R Y S E S E A I N Q M I Q Q D
CAGCAACCC CTTTGGGTC CCTCCCATTG TITATGGCTC AAGCTGAGCT TTTGTTCGCC TCGCTGTC TCTGATCCA GCACAGGCGC AATCGAGCTG AACACTAGTC ACTGGGTCC CCTTGGAATC CGTGAGACCA AGAACCCCAG TCTTGGGAGC TCTGGGAGCA AGACCCCAG	GTTCCCCCG AGGCAAAAT GCCCCTAGAA CGTATTCTGG V P P E A K M P L E R I L E GTACCGCCTG GCCACAATAT CCTCTTCAAG GGAGAGAAC T A W P Q Y P L Q G R E T AAAGGAGGC AAATGGAGTG AAGTCCCATA TGTGCAAACT K E G K W S E V P Y V Q T AGCCCTCAGA GTCCACCTCC CTACCCCAGC GTCCCCTCCC S P Q S P Y P S V P S P	ACAAAGGGGT K G V ACCTTTTTCT P F S	TCCTTTGATC S F D L ATCTTTGGTA T L W Y CACAGAATCA C	ATGTCCACTA M S T I TTGAAGGCCA E G Q	AGAAACCCTA E T L TTAGTCATGG L V M A AAGGACACTT G H F ATCAAGATAC S R Y
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1100 367 1197 398 900 300 334 600 200 700 800 267 **5**00 200 300 134 TCTTANACA TOCTOTATOG TOCCTAGACA AGGCACTAGT ر د CCAGGGGTTA × ., ATCAACAAGT Q Q V TAMTTCCCCA CACACTCCAA TCTMACAG GAGGTAATAA AGGGAGTATC CCACATGCCA MAGICICA AGGACATGGT ACCTTCCACT a E × z > G J × TOCCTOCTOT TTAGCCANAT AGGACTTAGC MAGTTCCM CCCTTCCCTC TTOCATACAT ACAGTAACCC TCANACGACA GAACCTICACG CCTTCAGCAA ACCCCTCTC TACATTTTAT ø v + 0 ~ × J .. CAGTGGAGTC V E S ACACCATICTO TITCAGGCC GGTTGAGAAA ATGAAJAJACAC CCCNANGOC CATCACCTCC TENSTICANGE GTAGGACAGA AGANGASA ATAGAATGGG GCAGATAGTC CACTGGCAAC TACTTANAAC S × × ¥ o × Ω > o Н o AMSTGGCTG THEMOCRET CONNCINCIA ATGCTCCTGC TAGTTGCAGA TOTCATOSTA MACTATICM **accreaces** CATGCAAT CCCMCMCM × H H ω S × ۵. ۵, M × ĸ ۵. z > O ۵. > AGCTATTACT TEACCAAGAG ATGGCCAACT TCCACCCTOG TTGGGCAGAG CAGAGTGACA CTGCACCTAG AGGCCACAAT CCTCAGGGAA ACTINGANTO **⊭ GCCCTTTTCA** CAGGCAATTA CCCAGTACTC GGCAGCTAAC × (L) z **..** ~ S ហ o O 3 < S GGACAACGCT MAGNATAT TATCTATCCC CTGAGGCTTA CTATAGCCTT TCCCCTCCGG GAAACCAAGC GNCNAGNA CTTTCACTGG TACTITITICE TACTGGACCA **د** v n n 144 o ~ œ z o U <u>م</u> ø н £L. Ω Ω . ۲ AAGGAACCCG AAAATCCAGG CCASTCATT AGAGGAGGGA GCTCTGTTGT ACCEPTOTISCT TGGGTAGATA TCGGACTTCC AATCATTATT TCCTTCAGGA بم بم v O A [[.. H J S > G O , S U ۵, CTAACCAATG CCTGTCCCCG NGACCCTNC ATTCCCAGAT COCATOSTET CAGATAGCCA TCTACTAGTC ATCACTTACA ATCGCCAAGC TATOGGGTAA ر 0 æ ~ ٠, م × 04 TTACAAGGAG GCTATAGNAT CATCCTGGGG MACCCACCT TCATGAAGTA SGACCCGTAG SATTITICAGIG PAGCACCCAT G ×

Fig. 16